THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kenneth J. Gruys Timothy A. Mitsky Ganesh M. Kishore Steven C. Slater Stephen R. Padgette David M. Stark

Serial No.: 09/942,891

Filed: August 30, 2001

For: METHOD OF OPTIMIZING SUBSTRATE POOLS AND BIOSYNTHESIS OF POLY-β-

HYDROXYBUTYRATE-CO-POLY-β -

HYDROXYVALERATE IN BACTERIA AND

PLANTS

Group Art Unit: 1638

Examiner: David Kruse

Atty. Dkt. No.: 11899.0155.DVUS02

Client File No.: 38-21(13618)D

Confirmation No. 1012

1 to enter 4

RESPONSE TO FINAL OFFICE ACTION DATED JULY 7, 2004

Mail Stop AF

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

CERTIFICATE OF MAILING 37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Box AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:

Sir:

Applicant respectfully requests that the following amendments be entered in the captioned patent application in accordance with 37 C.F.R. § 1.116. Applicant submits the foregoing amendments to place the case in better condition for allowance or appeal.

In response to the Office Action dated July 7, 2004, having a shortened statutory period for response expiring October 7, 2004, Applicants submit the following amendments and remarks.